

COOLING AND CONTROL SYSTEM FOR BATTERY CHARGING

ABSTRACT

A battery operated vehicle includes a battery for powering an electric motor. A fan is installed in the vehicle and is directed toward the battery. When a battery charger starts charging the battery, a controller automatically activates the fan to cool the battery during the charging session. Switching circuitry in the vehicle automatically connects the battery to the fan and disconnects the battery from other vehicle electrical equipment during the charging session. Operating parameters in the vehicle are monitored to more effectively predict remaining battery charge.